

HILLSBOROUGH TOWNSHIP  
**DEPARTMENT OF POLICE**

379 SOUTH BRANCH ROAD  
HILLSBOROUGH, N.J. 08844



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*Chief of Police*



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Federal Communications Commission  
Public Safety and Homeland Security Bureau  
445 12<sup>th</sup> Street S.W.  
Washington, D.C. 20554

**REQUEST FOR WAIVER OF THE NARROWBANDING DEADLINE**

Hillsborough Township Police Department  
379 South Branch Road  
Hillsborough, NJ 08844

In accordance with DA-11-1189A1, Guidance for Submission of Requests for Waiver of the Narrowbanding Deadlines, the Hillsborough Township Police Department (**Hillsborough**) requests a waiver of the mandate to convert its VHF Public Safety radio channel to narrow band operation by January 1, 2013.

**History**

The Hillsborough Township Police Department is comprised of 51 sworn officers and serves a 52 square mile suburban/rural community in central New Jersey. We operate using our own dispatch center and utilize a VHF analog voice radio system. Hillsborough's public safety communications system operates on the frequencies 155.5650, 155.3100 and 156.0900 MHz under the Call Sign KEE841. This system serves the communications needs of the police department and emergency management agencies. The system is comprised of two fixed transmitter/receiver sites, several satellite receiver sites and related voting system, mobile units, and portable units.

In order to comply with the narrowbanding mandate, the Hillsborough Township Police Department is faced with the option of upgrading its aging VHF analog radio system at considerable time and expense, or migrating to Somerset County's Integrated Public Safety Radio System (**county system**). Somerset County's

system is a modernized UHF digital trunked system. Unfortunately, due to ongoing re-construction and upgrades that are in progress to the county's system, the preferred option of migrating to their system is not possible because they will be unable to accept the increased capacity until late in 2012 at the very earliest and more likely not until after the January 1, 2013 deadline.

In the following outline response we provide detailed information as stipulated by the Commission.

### **Steps already taken to plan for, initiate, and complete the transition to narrowband operations**

Hillsborough has explored the possibility of converting its system from the present 25 kHz bandwidth to the mandated 12.5 kHz bandwidth. Early in 2009 Hillsborough coordinated with our radio vendor to identify equipment requirements to comply with the narrowbanding mandate. It was determined that some of our communications equipment could be reprogrammed to be compliant. However, a significant investment would be required to replace equipment that is not narrowband capable.

In February of 2010, a quotation was obtained to replace our communications equipment that is not narrowband capable. As we moved forward with the process of planning for the narrowbanding mandate, neighboring law enforcement agencies, as well as our own fire department and rescue squad, have migrated to or are planning on migrating to Somerset County's digital UHF system. These changes have eliminated the ability of Hillsborough's field units to communicate with many neighboring local law enforcement agencies as well as other Hillsborough Township public safety agencies, and have complicated or eliminated the ability of our headquarters to communicate with these agencies. In March of 2010, as a means to facilitate interoperability and avoid duplication of effort, the Hillsborough Police Department began exploring the feasibility of migrating to the county system for our communications needs while maintaining our current dispatching capabilities. Unfortunately, it was determined that migrating to the county system would not be possible at this time.

The 2011 Hillsborough capital budget approved earlier this year included funding for narrowbanding associated communications upgrades. This would cover most of the costs associated with upgrading our current VHF analog system to be narrowband compliant. However, it is expected that if we have to go forward with upgrading our current system, additional expenses will be realized due to the expected signal degradation associated with the narrowbanding process. This will likely require the installation of additional receiver sites throughout our jurisdiction. Furthermore, several antennas will likely have to be replaced and/or relocated to help compensate for the possible loss of signal strength. We have been in contact with a communications consulting firm to conduct coverage drive testing of our current system to help with identifying areas where coverage will be degraded due

to the narrowband transition. Due to the cost, this testing will only be done if we are not granted a deadline waiver.

To prepare for the event of being granted a waiver, Hillsborough began planning for an eventual migration to the county system by identifying required equipment and obtaining quotations for the purchase. We have also started coordinating with the Somerset County Communications Director in reference to migrating to their system.

### **System size and complexity**

The Hillsborough Township Police Department currently operates a VHF analog communications system comprised of a fleet of 37 marked and unmarked police vehicles each equipped with a VHF mobile radio. We also utilize 37 VHF portable radios.

The police dispatch center is equipped with two duplicate radio consoles. The consoles are linked via a secure hard wired communications line to a base radio in a remote station (Zion tower) located several miles west of headquarters, and a second (backup) base radio at police headquarters and related voting system. System receivers are also located at five additional fixed locations throughout the township to improve reception in certain areas and extend talkback coverage of the portable units. All the receivers are linked via a secure communications line to the voter in police headquarters. When field officers transmit, the receivers pick up the signal which is then sent to the voter via hardwired communication lines. The voter selects the strongest signal, which is then rebroadcast.

### **Whether system equipment is narrowband-capable or must be replaced/upgraded**

The following is a list of our current VHF analog equipment that would need to be replaced for narrowbanding:

- 3 of the off site radio receivers
- 23 mobile and portable radios

The remainder of our communications equipment would have to be reprogrammed.

### **Whether the licensee plans additional system upgrades or improvements in addition to converting to narrowband operation**

Early in 2010 when the Hillsborough Township Police Department was exploring the feasibility of migrating to the county system, testing was conducted utilizing some of the county's digital UHF equipment. The results showed superior performance compared to our current system. If a waiver is granted to allow us to

migrate to the county system, it is expected that the department will experience improved communications performance in addition to the benefits of field units having the ability to communicate with neighboring jurisdictions and other Hillsborough public safety agencies.

If a waiver is not granted and we are required to upgrade our current VHF system, our ability to migrate to and reap the benefits of the county system will be severely compromised due to need to expend the available funds on a lesser system option. That will result in an undue financial burden on our local government forced to make upgrades necessary to field a system that does not afford the necessary interoperability between agencies.

**Funding sources, including whether the licensee's budget requires government approval or a multi-year budget process**

The Hillsborough Township 2011 Capital Ordinance includes funding for police radios and equipment which should cover either the majority of the expense required to upgrade our current VHF analog system to be narrowband compliant or a smaller portion of the expected cost to migrate to the county system.

If a waiver to the deadline is not granted, additional funding will be needed to cover expenses to migrate to the county's digital UHF radio system. This will require that funds be allocated from Hillsborough Township's 2012 Capital Budget which will far exceed the amount approved in the 2011 Capital Ordinance.

Approval of additional funding to cover costs for migrating to Somerset County's system will require approval of Hillsborough Township's governing body as well as a multi-year budget process. It is therefore imperative that the Hillsborough Township Police Department determines its eligibility for a waiver at the earliest opportunity, so we continue with the planning and implementation of our preferred option of migrating to the county system.

**Whether the licensee's narrowbanding schedule is affected by neighboring systems due to interoperability relationships or other interdependencies**

Currently Somerset County's four license applications are in pending status with the Commission. While the county is proceeding with the necessary site construction and has contracted for the radio equipment, it is unclear at this time if its anticipated December 2012 build-out date can be met. This is dependent upon the county receiving the needed licensing from the FCC in time to schedule the delivery, installation, tuning and optimization of its new radio equipment before the end of 2012.

Hillsborough's narrowbanding schedule is therefore dependent upon the progress of Somerset County Communications narrowbanding and system upgrade timeline.

**Plans to minimize the negative impact of extended wideband operations on co-channel and adjacent channel operations, including a description of the spectrum environment in the affected area**

Hillsborough currently has adjacent and co-channel users in the immediate vicinity but does not create nor receive any interference from them. See **Appendix A** for a chart of existing co-channel and adjacent channel licensees. We contend that our continued operations in the wide band mode will not have any negative impact on the existing licensees.

**If the licensee plans to migrate to a non-VHF/UHF band (e.g., 700 MHz or 800 MHz), whether it will relinquish VHF/UHF spectrum once it has migrated and the amount of spectrum to be relinquished**

It is Hillsborough's intent to discontinue operations on the VHF channels once it has switched to Somerset County's digital UHF system. Once that switch is completed, Hillsborough will relinquish its VHF license.

**Proposed timetable for completion of narrowbanding:**

**1. The following are steps that the Hillsborough Township Police Department has taken to date towards completion of the narrowbanding process:**

- Hillsborough has identified the equipment that is needed to upgrade its current analog VHF system to be narrowband compliant in the event it is not granted a waiver.
- Hillsborough has identified equipment requirements to migrate to Somerset County's digital UHF system if it is granted a waiver
- Hillsborough has obtained price quotes for the known equipment it will need to either migrate to Somerset County's digital UHF system, or upgrade its current VHF analog system to make it narrowband compliant.
- Hillsborough has secured funding to cover the majority of the cost to upgrade its current VHF radio system in the event it is unable to get a waiver. However, this is the same funding we are committed to use towards a portion of the cost for new equipment to migrate to the county UHF system if a waiver is granted.
- Hillsborough has started coordinating with the Somerset County Director of Communications to migrate to their radio system once the capability exists.
- Hillsborough has coordinated with our radio equipment vendor regarding a timeline for equipment purchase, installation and tuning to make our current VHF system narrowband compliant in the event we are not granted a waiver.
- Hillsborough has consulted with communications industry professionals and

identified potential concerns regarding reduced system performance if a waiver is not granted and we are compelled to convert our current VHF system to narrowband operation, and has identified possible steps for mitigation.

**2. Anticipated dates of commencement and completion of replacement or retuning of mobile/portable radios, and infrastructure replacement or retuning:**

The Hillsborough Township Police Department has coordinated with our radio equipment vendor regarding the timeline for the replacement and retuning of the equipment required to make our current VHF analog system narrowband compliant. However, until a determination is made regarding this waiver request which will dictate if we can migrate to the County system, we cannot commit on a date to actually place the order to purchase the required narrowband capable equipment

Until the equipment order is placed, the vendor cannot determine when the equipment may be available or schedule installation and retuning. Therefore, the timeline for upgrading our current VHF system is completely reliant upon the determination of this waiver request. Likewise, in the event the waiver is granted, the timeline for migrating to Somerset County's radio system is completely reliant upon the completion date of the re-construction and upgrades to their system.

If the waiver is not granted it is expected that Hillsborough will be able to upgrade its current VHF system to be narrowband compliant prior to the January 1, 2013 deadline, as long as we know the status of this request prior December 31, 2011.

Depending upon the status of the improvements to the county system, if this waiver request is granted, it is expected that the Hillsborough Township Police Department will be capable of migrating the county system prior to the end of 2013. Once migrated to the county system Hillsborough will be compliant with the narrowbanding mandate.

**Closing**

The preferred option of migrating to Somerset County's modernized UHF digital radio system will provide the Hillsborough Township Police Department with the following benefits:

- Improved coverage
- The ability for field units to communicate with neighboring law enforcement agencies and various other public safety agencies, which it currently does not enjoy (interoperability)

- Preparation for the potential option of shared services (dispatching)
- Improved reliability

If this waiver request is denied, Hillsborough will be forced to invest substantial time and funds into upgrading an aging radio system that is inferior to the county system. Once the time and money is invested to make our current system compliant, it will significantly delay Hillsborough's ability to eventually migrate to the county system.

Interoperability will be hampered, and potential opportunities for shared services delayed or eliminated. An opportunity to improve the services the Hillsborough Township Police Department provides to the citizens it serves will be indefinitely postponed or lost.

Furthermore, Hillsborough already experiences areas of reduced coverage with our current radio system. There are concerns that have been corroborated with communications industry professionals that once we convert our current system to narrowband operations the system will likely experience some level of performance degradation. This creates the potential of; 1) substantially increasing the financial investment to field a satisfactory system, and 2) compromising the safety of our officers and the public.

The Hillsborough Township Police Department requests extension of its wideband operations as authorized under Call Sign KEE841 through December 31, 2013 to assure its ability to continue providing police and emergency management services to its citizens until we have been able to successfully migrate our operations to the Somerset County Integrated Public Safety Radio System. Upon completion of the migration we agree to cancel the KEE841 license.

Respectfully submitted this 24th day of October, 2011.



Paul A. Kaminsky  
Chief of Police

Attachment: Appendix A

**APPENDIX A**  
**HILLSBOROUGH TOWNSHIP, NJ REQUEST FOR NARROW BANDING WAIVER**  
**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNEL USERS**

This chart, derived from a search of the FCC license data base, details the existing co-channel and 7.5 and 15 kHz adjacent channel licensees currently co-existing with Hillsborough Township's system within a 75 mile radius of Hillsborough Township, NJ.

<b>Key to Chart Data</b>	Under "Allocations, Limitations"	PH = Highway, PM = Medical, PP = Police, PS = Special Emergency FBM = Base / Mobile operations permitted, MO = Mobile only operations 10 = Paging OK, secondary use; 27 = Narrow Band emissions only, 38 = Reserved, 39 = Telemetry OK
	Under "Channel Spacing"	15 and -15 = 15 kHz removed from Hillsborough frequency, 7.5 and -7.5 = 7.5 kHz removed from Hillsborough frequency. "0" indicates Hillsborough licensed frequency.
	Under "Distance"	Distance in miles from the Hillsborough Township radio site.
	Under "Azimuth"	Direction from the Hillsborough radio site to the incumbent radio site.

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
<b>155.31000 MHZ</b>										
PS FBM 10	-15	<b>155.29500</b>								
		155.29500	5.2	83.1	KIB250	1		EAST MILLSTONE FIRST AID SQUAD	EAST MILLSTONE	NJ
		155.29500	5.4	306.4	WPGG326	1		JAMES HAGER JR INC	FLEMINGTON	NJ
		155.29500	5.4	306.4	WPGG326	2		JAMES HAGER JR INC	FLEMINGTON	NJ
		155.29500	9.6	88	KWV659	1		MANVILLE FIRST AID & RESCUE SQUAD INC	MANVILLE	NJ
		155.29500	14.8	47.7	WPKH294	1		WATCHUNG HILLS REGIONAL HIGH SCHOOL	WARREN	NJ
		155.29500	14.8	47.7	WPKH294	2		WATCHUNG HILLS REGIONAL HIGH SCHOOL	WARREN	NJ
		155.29500	16	106.6	WNNL873	1		TRANSMED AMBULANCE TRANSPORT INC	EAST BRUNSWICK	NJ
		155.29500	19.9	193.9	WPBG752	1		CAPITAL HEALTH SYSTEM INC	TRENTON	NJ
		155.29500	19.9	193.9	WPBG752	2		CAPITAL HEALTH SYSTEM INC	TRENTON	NJ
		155.29500	27.4	107.8	WPME711	1		HOLMDEL TOWNSHIP BOARD OF EDUCATION	HOLMDEL	NJ
		155.29500	27.4	107.8	WPME711	2		HOLMDEL TOWNSHIP BOARD OF EDUCATION	HOLMDEL	NJ
		155.29500	28.1	343.5	WNLN707	2		ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	28.1	343.5	WNLN707	2	'0004824174'	ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ



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Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.29500	29.2	342.6	WNLN707	5	'0004824174'	ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	29.2	342.6	WNLN707	6	'0004824174'	ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	29.7	54.8	WNL1739	1		ESSEX VALLEY MEDICAL TRANSPORTATION	EAST ORANGE	NJ
		155.29500	29.7	54.8	WNL1739	2		ESSEX VALLEY MEDICAL TRANSPORTATION	EAST ORANGE	NJ
		155.29500	29.9	3	WPMC486	1		HOPATCONG, BOROUGH OF	HOPATCONG	NJ
		155.29500	29.9	3	WPMC486	2		HOPATCONG, BOROUGH OF	HOPATCONG	NJ
		155.29500	30.4	58.4	WPRI404	1		UNIVERSITY OF MEDICINE & DENTISTRY OF NJ	NEWARK	NJ
		155.29500	30.4	58.4	WPRI404	2		UNIVERSITY OF MEDICINE & DENTISTRY OF NJ	NEWARK	NJ
		155.29500	30.8	356.8	WPXT286	1		LAKELAND EMERGENCY SQUAD	ANDOVER	NJ
		155.29500	30.8	356.8	WPXT286	2		LAKELAND EMERGENCY SQUAD	ANDOVER	NJ
		155.29500	31.7	297.1	KNGT238	2		FORKS TOWNSHIP EMERGENCY SQUAD	EASTON	PA
		155.29500	32	214.1	KWI667	3		RHAWNHRST BUSTLETON AMBULANCE ASSN	PHILADELPHIA	PA
		155.29500	32.2	163.3	WYK458	2		NEW EGYPT FIRST AID & EMERGENCY	NEW EGYPT	NJ
		155.29500	33.9	207.5	KWI667	2		RHAWNHRST BUSTLETON AMBULANCE ASSN	PHILADELPHIA	PA
		155.29500	34.5	191.6	KMA726	1		BURLINGTON, COUNTY OF	MOUNT HOLLY	NJ
		155.29500	34.6	114.7	WNZE492	2		TINTON FALLS, BOROUGH OF	TINTON FALLS	NJ
		155.29500	35.4	354.4	WNLN707	4		ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	35.4	354.4	WNLN707	4	'0004824174'	ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	35.4	354.4	KYU566	2		ANDOVER, TOWNSHIP OF	NEWTON	NJ
		155.29500	35.8	220.9	KQL756	1		ABINGTON SCHOOL DISTRICT	ABINGTON	PA
		155.29500	35.8	220.9	KQL756	2		ABINGTON SCHOOL DISTRICT	ABINGTON	PA
		155.29500	36.2	54.2	WQKP681	1		LYNDHURST, TOWNSHIP OF	LYNDHURST	NJ
		155.29500	36.2	54.2	WQKP681	2		LYNDHURST, TOWNSHIP OF	LYNDHURST	NJ
		155.29500	36.2	54.2	WQKP681	3		LYNDHURST, TOWNSHIP OF	LYNDHURST	NJ
		155.29500	36.6	78.6	KAW900	1		BENSONHRST VOLUNTEER AMBULANCE	BROOKLYN	NY
		155.29500	36.9	356.8	KYU566	1		ANDOVER, TOWNSHIP OF	NEWTON	NJ
		155.29500	36.9	356.8	KYU566	3		ANDOVER, TOWNSHIP OF	NEWTON	NJ
		155.29500	37.1	349.6	KVT557	1		FREDON, TOWNSHIP OF	NEWTON	NJ
		155.29500	37.1	349.6	KVT557	2		FREDON, TOWNSHIP OF	NEWTON	NJ
		155.29500	37.4	354.2	WNLN707	1		ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ

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Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Calisign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.29500	37.4	354.2	WNLN707	3		ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	37.4	354.2	WNLN707	1	'0004824174'	ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	37.4	354.2	WNLN707	3	'0004824174'	ALLAMUCHY GREEN FIRST AID SQUAD INC	ANDOVER	NJ
		155.29500	37.6	32.9	WQGB657	1		CHILTON MEMORIAL HOSPITAL	POMPTON PLAINS	NJ
		155.29500	37.6	32.9	WQGB657	2		CHILTON MEMORIAL HOSPITAL	POMPTON PLAINS	NJ
		155.29500	37.8	269.6	KA80273	1		UPPER SAUCON AMBULANCE CORPS	CENTER VALLEY	PA
		155.29500	38.5	8.8	WPFQ901	1		SPARTA AMBULANCE SERVICE INC	SPARTA	NJ
		155.29500	38.5	8.8	WPFQ901	3		SPARTA AMBULANCE SERVICE INC	SPARTA	NJ
		155.29500	38.8	40.9	KWJ255	2		HALEDON EMERGENCY AMBULANCE ASSOC	HALEDON	NJ
		155.29500	39.1	279.5	KSZ517	1		CETRONIA AMBULANCE CORPS	ALLENTOWN	PA
		155.29500	39.1	279.5	KSZ517	3		CETRONIA AMBULANCE CORPS	ALLENTOWN	PA
		155.29500	39.8	121.2	WNBA474	10		MONMOUTH OCEAN HOSPITAL SERVICES CORP	Neptune	NJ
		155.29500	40.7	356.3	WQAX338	1		HAMPTON, TOWNSHIP OF	AUGUSTA	NJ
		155.29500	40.7	356.3	WQAX338	2		HAMPTON, TOWNSHIP OF	AUGUSTA	NJ
		155.29500	40.8	33.5	WNIX714	1		NATIONAL SKI PATROL SYSTEM INC	LAKEWOOD	CO
		155.29500	40.8	33.5	WNIX714	2		NATIONAL SKI PATROL SYSTEM INC	LAKEWOOD	CO
		155.29500	41.5	227.5	WQMC948	1		Colonial School District	Plymouth Meeting	PA
		155.29500	41.5	227.5	WQMC948	2		Colonial School District	Plymouth Meeting	PA
		155.29500	42.2	137.4	KTV914	1		BRICK TOWNSHIP BOARD OF EDUCATION	BRICK	NJ
		155.29500	42.2	137.4	KTV914	2		BRICK TOWNSHIP BOARD OF EDUCATION	BRICK	NJ
		155.29500	42.2	137.4	WPLX332	1		BRICK TOWNSHIP BOARD OF EDUCATION	BRICK	NJ
		155.29500	42.2	137.4	WPLX332	2		BRICK TOWNSHIP BOARD OF EDUCATION	BRICK	NJ
		155.29500	42.4	189.9	WNNL279	1		MEDFORD, TOWNSHIP OF	MEDFORD	NJ
		155.29500	43.7	345.8	WQHT666	1		STILLWATER, TOWNSHIP NJ	NEWTON	NJ
		155.29500	43.7	345.8	WQHT666	2		STILLWATER, TOWNSHIP NJ	NEWTON	NJ
		155.29500	43.8	248.7	WNIX723	1		NATIONAL SKI PATROL SYSTEM INC	LAKEWOOD	CO
		155.29500	43.8	248.7	WNIX723	2		NATIONAL SKI PATROL SYSTEM INC	LAKEWOOD	CO
		155.29500	44.3	53	WPEN727	1		TEANECK, TOWNSHIP OF	TEANECK	NJ
		155.29500	44.5	48.2	WNQO248	1		PARAMUS, BOROUGH OF	PARAMUS	NJ
		155.29500	44.5	48.3	WNQO248	2		PARAMUS, BOROUGH OF	PARAMUS	NJ

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		155.29500	45.2	46.4	WNYI213	1		BERGEN, COUNTY OF	PARAMUS	NJ
		155.29500	45.2	46.4	WNYI213	2		BERGEN, COUNTY OF	PARAMUS	NJ
		155.29500	46	279.2	KSZ517	4		CETRONIA AMBULANCE CORPS	ALLENTOWN	PA
		155.29500	46.1	279.2	KSZ517	2		CETRONIA AMBULANCE CORPS	ALLENTOWN	PA
		155.29500	46.2	50.9	WNYF991	1		BERGENFIELD VOL AMBULANCE CORPS	BERGENFIELD	NJ
		155.29500	46.2	50.9	WNYF991	2		BERGENFIELD VOL AMBULANCE CORPS	BERGENFIELD	NJ
		155.29500	46.5	170.7	KMA728	1		BURLINGTON, COUNTY OF	MOUNT HOLLY	NJ
		155.29500	46.8	216.2	WQBK737	2		SAFECARE AMBULANCE SERVICES INC DBA	PHILADELPHIA	PA
		155.29500	48.5	51.6	WPPC213	1		CRESSKILL, BOROUGH OF	CRESSKILL	NJ
		155.29500	48.5	51.6	WPPC213	2		CRESSKILL, BOROUGH OF	CRESSKILL	NJ
		155.29500	48.9	38.6	WPMQ698	1		SADDLE RIVER VALLEY RESCUE SQUAD	UPPER SADDLE	NJ
		155.29500	49.2	307.2	WPAY662	1		WEST END COMMUNITY AMBULANCE	EFFORT	PA
		155.29500	49.2	307.2	WPAY662	2		WEST END COMMUNITY AMBULANCE	EFFORT	PA
		155.29500	50.1	35	KNIS284	1		RAMAPO VALLEY AMBULANCE CORPS	SUFFERN	NY
		155.29500	51.4	35.6	KNIS284	2		RAMAPO VALLEY AMBULANCE CORPS	SUFFERN	NY
		155.29500	53.7	69.7	WNPG878	1		GREAT NECK UNION FREE SCHOOL DISTRICT	GREAT NECK	NY
		155.29500	53.7	69.7	WNPG878	2		GREAT NECK UNION FREE SCHOOL DISTRICT	GREAT NECK	NY
		155.29500	54.5	257.4	KNGZ321	2		Berks County Department of Emergency Services	READING	PA
		155.29500	56	75.5	WPKF566	1		WEST HEMPSTEAD SCHOOL DISTRICT UFSD 27	WEST HEMPSTEAD	NY
		155.29500	56	75.5	WPKF566	2		WEST HEMPSTEAD SCHOOL DISTRICT UFSD 27	WEST HEMPSTEAD	NY
		155.29500	56.4	25.1	WNIX720	1		NATIONAL SKI PATROL SYSTEM INC	LAKEWOOD	CO
		155.29500	56.4	25.1	WNIX720	2		NATIONAL SKI PATROL SYSTEM INC	LAKEWOOD	CO
		155.29500	57.5	272	KNGZ321	5		Berks County Department of Emergency Services	READING	PA
		155.29500	62.5	282.4	KNGZ321	7		Berks County Department of Emergency Services	READING	PA
		155.29500	62.9	236.8	KGA366	1		DOWNINGTOWN, BOROUGH OF	DOWNINGTOWN	PA
		155.29500	62.9	236.8	KGA366	2		DOWNINGTOWN, BOROUGH OF	DOWNINGTOWN	PA
		155.29500	63.2	257.5	KAW476	1		EXETER AMBULANCE ASSOCIATION	READING	PA
		155.29500	63.5	25.3	WQHM966	1		KIRYAS JOEL, VILLAGE OF	MONROE	NY
		155.29500	63.5	25.3	WQHM966	2		KIRYAS JOEL, VILLAGE OF	MONROE	NY
		155.29500	64.2	321.7	KIL388	2		GOULDSBORO AMBULANCE SQUAD INC	GOULDSBORO	PA

**APPENDIX A**  
**HILLSBOROUGH TOWNSHIP, NJ REQUEST FOR NARROW BANDING WAIVER**  
**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.29500	64.8	321.7	KIL388	1		GOULDSBORO AMBULANCE SQUAD INC	GOULDSBORO	PA
		155.29500	64.8	321.7	KIL388	5		GOULDSBORO AMBULANCE SQUAD INC	GOULDSBORO	PA
		155.29500	64.9	322.3	KIL388	3		GOULDSBORO AMBULANCE SQUAD INC	GOULDSBORO	PA
		155.29500	65	260.6	KNGZ321	3		Berks County Department of Emergency Services	READING	PA
		155.29500	65.4	327.2	KDU721	4		WAYNE, COUNTY OF	HONSDALE	PA
		155.29500	66.5	45.4	KVX918	1		CHAPPAQUA VOLUNTEER AMBULANCE CORPS	CHAPPAQUA	NY
		155.29500	66.5	45.4	KVX918	2		CHAPPAQUA VOLUNTEER AMBULANCE CORPS	CHAPPAQUA	NY
		155.29500	66.6	25.5	WPMC389	1		MOBILE LIFE SUPPORT SVCS INC	NEWBURGH	NY
		155.29500	66.8	321.2	KIL388	4		GOULDSBORO AMBULANCE SQUAD INC	GOULDSBORO	PA
		155.29500	68	268.4	KNGZ321	6		Berks County Department of Emergency Services	READING	PA
		155.29500	68.1	209.8	WNUA371	1		AMERICAN LEGION AMBULANCE ASSOCIATION	WOODSTOWN	NJ
		155.29500	68.1	209.8	WNUA371	2		AMERICAN LEGION AMBULANCE ASSOCIATION	WOODSTOWN	NJ
		155.29500	69	276	KNGZ321	1		Berks County Department of Emergency Services	READING	PA
		155.29500	69.2	319.6	KAG561	1		LACKAWANNA, COUNTY OF	Jessup	PA
		155.29500	69.6	13.9	KYK412	1		MOBILE LIFE SUPPORT SERVICES	NEWBURGH	NY
		155.29500	70.4	210.6	WRU898	2		SALEM, COUNTY OF	WOODSTOWN	NJ
		155.29500	71	200.7	WRU898	3		SALEM, COUNTY OF	WOODSTOWN	NJ
		155.29500	71.6	262.4	KNGZ321	4		Berks County Department of Emergency Services	READING	PA
		155.29500	73.5	332.9	WYU877	1		LAKE ARIEL VOL FIRE CO	LAKE ARIEL	PA
		155.29500	73.5	332.9	WYU877	2		LAKE ARIEL VOL FIRE CO	LAKE ARIEL	PA
		155.29500	74.7	295.5	WQAH262	4		LUZERNE, COUNTY OF	Wilkes Barre	PA
		155.29500	74.7	25.5	KYK412	2		MOBILE LIFE SUPPORT SERVICES	NEWBURGH	NY
		155.29500	75.3	325.6	WNKJ558	1		JEFFERSON TWP AMBULANCE	LAKE ARIEL	PA
		155.29500	75.3	325.6	WNKJ558	2		JEFFERSON TWP AMBULANCE	LAKE ARIEL	PA
PS FBM 10, 27	-7.5	155.30250								
		155.30250	23.2	117.7	WPTB749	3		MARLBORO, TOWNSHIP OF	MARLBORO	NJ
		155.30250	54.3	233.4	KNEJ768	1		MALVERN FIRE COMPANY	MALVERN	PA
		155.30250	54.3	233.4	KNEJ768	2		MALVERN FIRE COMPANY	MALVERN	PA
PP FBM	0	155.31000								
		155.31000	0	0	KEE841	3		HILLSBOROUGH TOWNSHIP POLICE DEPARTMENT	Hillsborough	NJ

**APPENDIX A**  
**HILLSBOROUGH TOWNSHIP, NJ REQUEST FOR NARROW BANDING WAIVER**  
**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.31000	5.2	36.1	KEF210	1		RARITAN, BOROUGH OF	RARITAN	NJ
		155.31000	5.2	36.1	KEF210	2		RARITAN, BOROUGH OF	RARITAN	NJ
		155.31000	5.8	63.9	KEB559	1		MANVILLE, BOROUGH OF	MANVILLE	NJ
		155.31000	5.8	63.9	KEB559	2		MANVILLE, BOROUGH OF	MANVILLE	NJ
		155.31000	5.8	43.9	KCQ249	1		SOMERSET, COUNTY OF	SOMERVILLE	NJ
		155.31000	5.8	43.9	KCQ249	2		SOMERSET, COUNTY OF	SOMERVILLE	NJ
		155.31000	8	84.5	WQKS260	1		SOUTH BOUND BROOK, BOROUGH OF	SOUTH BOUND	NJ
		155.31000	8	84.5	WQKS260	2		SOUTH BOUND BROOK, BOROUGH OF	SOUTH BOUND	NJ
		155.31000	8.4	93.8	KEE275	1		FRANKLIN, TOWNSHIP OF	SOMERSET	NJ
		155.31000	8.4	93.8	KEE275	2		FRANKLIN, TOWNSHIP OF	SOMERSET	NJ
		155.31000	9	63	KEB685	2		BOUND BROOK, BOROUGH OF	BOUND BROOK	NJ
		155.31000	11	63.5	KEB505	2		MIDDLESEX, BOROUGH OF	MIDDLESEX	NJ
		155.31000	22.7	63	KEB451	1		CRANFORD, TOWNSHIP OF	CRANFORD	NJ
		155.31000	22.7	63	KEB451	2		CRANFORD, TOWNSHIP OF	CRANFORD	NJ
		155.31000	30.2	316.7	WPLX367	1		WARREN, COUNTY OF	WASHINGTON	NJ
		155.31000	35.2	244.4	WXW435	1		HATFIELD, TOWNSHIP OF	HATFIELD	PA
		155.31000	35.2	244.4	WXW435	2		HATFIELD, TOWNSHIP OF	HATFIELD	PA
		155.31000	51.8	54.8	KEH749	3		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	52.5	57.5	KEA501	2		MOUNT VERNON, CITY OF	MOUNT VERNON	NY
		155.31000	53.8	50.9	KEB453	1		HASTINGS ON HUDSON, VILLAGE OF	HASTINGS ON	NY
		155.31000	53.8	50.9	KEB453	3		HASTINGS ON HUDSON, VILLAGE OF	HASTINGS ON	NY
		155.31000	54	51.5	KEB453	2		HASTINGS ON HUDSON, VILLAGE OF	HASTINGS ON	NY
		155.31000	54.7	49.7	KEB216	3		DOBBS FERRY, VILLAGE OF	DOBBS FERRY	NY
		155.31000	54.7	49.7	KEB216	3	'0004788116'	DOBBS FERRY, VILLAGE OF	DOBBS FERRY	NY
		155.31000	55.1	58.6	KEA351	2		NEW ROCHELLE, CITY OF	NEW ROCHELLE	NY
		155.31000	55.2	59.2	KEA351	1		NEW ROCHELLE, CITY OF	NEW ROCHELLE	NY
		155.31000	55.2	59.2	KEA351	3		NEW ROCHELLE, CITY OF	NEW ROCHELLE	NY
		155.31000	55.2	59.2	KEA351	4		NEW ROCHELLE, CITY OF	NEW ROCHELLE	NY
		155.31000	55.7	49.8	KEB216	2		DOBBS FERRY, VILLAGE OF	DOBBS FERRY	NY
		155.31000	55.7	49.8	KEB216	2	'0004788116'	DOBBS FERRY, VILLAGE OF	DOBBS FERRY	NY

**APPENDIX A**  
**HILLSBOROUGH TOWNSHIP, NJ REQUEST FOR NARROW BANDING WAIVER**  
**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.31000	56.1	55.9	WPEM283	6		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	57	51.2	KED651	1		ARDSLEY, VILLAGE OF	ARDSLEY	NY
		155.31000	57	51.2	KED651	3		ARDSLEY, VILLAGE OF	ARDSLEY	NY
		155.31000	57	51.2	KED651	1	'0004818952'	ARDSLEY, VILLAGE OF	ARDSLEY	NY
		155.31000	57	51.2	KED651	3	'0004818952'	ARDSLEY, VILLAGE OF	ARDSLEY	NY
		155.31000	57	59.1	WNDQ947	2		LARCHMONT, VILLAGE OF	LARCHMONT	NY
		155.31000	57	59.1	WNDQ947	2	'0004824339'	LARCHMONT, VILLAGE OF	LARCHMONT	NY
		155.31000	57.1	49.8	KFP310	1		IRVINGTON, VILLAGE OF	IRVINGTON	NY
		155.31000	58.2	46.9	KEB583	1		IRVINGTON, VILLAGE OF	IRVINGTON	NY
		155.31000	58.2	57.1	WNCU453	3		MAMARONECK, TOWN OF	MAMARONECK	NY
		155.31000	58.3	47.2	KEB268	1		TARRYTOWN, VILLAGE OF	TARRYTOWN	NY
		155.31000	58.4	48.3	WYP824	1		TARRYTOWN, VILLAGE OF	TARRYTOWN	NY
		155.31000	58.4	48.3	WYP824	2		TARRYTOWN, VILLAGE OF	TARRYTOWN	NY
		155.31000	58.5	58.2	WNDX582	2		MAMARONECK, VILLAGE OF	MAMARONECK	NY
		155.31000	59	49.9	KEA307	2		ELMSFORD, VILLAGE OF	ELMSFORD	NY
		155.31000	59.4	49.7	KEA307	1		ELMSFORD, VILLAGE OF	ELMSFORD	NY
		155.31000	59.4	49.7	KEA307	3		ELMSFORD, VILLAGE OF	ELMSFORD	NY
		155.31000	59.9	52.5	KEB301	1		CITY OF WHITE PLAINS POLICE DEPARTMENT	WHITE PLAINS	NY
		155.31000	60	52.7	WQLN766	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	60.2	52.8	WPEM283	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	60.7	49	KEH749	1		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	63.8	52.7	WQLN766	1		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	64.7	43.5	WPEM283	5		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	65.4	327.2	KDU721	4		WAYNE, COUNTY OF	HONESDALE	PA
		155.31000	67.1	36.2	KV9861	3		PEEKSKILL, CITY OF	PEEKSKILL	NY
		155.31000	68.6	36.7	WPEM283	3		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	69.9	40.6	KEH749	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	70.5	48	WPEM283	4		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.31000	71	40.7	KYW845	1		YORKTOWN, TOWN OF	YORKTOWN	NY
		155.31000	72.4	178.1	KGW344	2		ATLANTIC CITY, CITY OF	ATLANTIC CITY	NJ

**APPENDIX A**  
**HILLSBOROUGH TOWNSHIP, NJ REQUEST FOR NARROW BANDING WAIVER**  
**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNEL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.31000	72.4	219.5	WPTV372	1		Delaware River and Bay Authority	New Castle	DE
		155.31000	72.4	219.5	WPTV372	4		Delaware River and Bay Authority	New Castle	DE
		155.31000	72.5	45.3	WDU858	4		BEDFORD, TOWN OF	BEDFORD HILLS	NY
		155.31000	72.5	45.3	WDU858	4	'0004763463'	BEDFORD, TOWN OF	BEDFORD HILLS	NY
		155.31000	73.5	180.4	KGNS64	1		ATLANTIC, COUNTY OF	Egg Harbor	NJ
PP FBM 27	7.5	155.31750								
		155.31750	32.4	58.6	WQAF253	1		EAST NEWARK, BOROUGH OF	EAST NEWARK	NJ
		155.31750	32.4	58.6	WQAF253	2		EAST NEWARK, BOROUGH OF	EAST NEWARK	NJ
M FBM 38, 3	15	155.32500								
		155.32500	15.2	112.9	KTD380	2		ROBERT WOOD JOHNSON UNIVERSITY HOSPITAL	NEW BRUNSWICK	NJ
		155.32500	31.2	41.2	WPXW403	1		WEST ESSEX FIRST AID SQUAD INC	WEST CALDWELL	NJ
		155.32500	31.2	41.2	WPXW403	2		WEST ESSEX FIRST AID SQUAD INC	WEST CALDWELL	NJ
		155.32500	31.2	41.2	WPXW403	3		WEST ESSEX FIRST AID SQUAD INC	WEST CALDWELL	NJ
		155.32500	34.6	114.7	WNZE492	2		TINTON FALLS, BOROUGH OF	TINTON FALLS	NJ
		155.32500	35.6	116.3	WNZE492	1		TINTON FALLS, BOROUGH OF	TINTON FALLS	NJ
		155.32500	36.3	188.9	KCW375	2		BURLINGTON COUNTY MEMORIAL HOSPITAL	MOUNT HOLLY	NJ
		155.32500	38.5	8.8	WPFQ901	1		SPARTA AMBULANCE SERVICE INC	SPARTA	NJ
		155.32500	38.5	8.8	WPFQ901	3		SPARTA AMBULANCE SERVICE INC	SPARTA	NJ
		155.32500	38.5	8.8	WPFQ901	4		SPARTA AMBULANCE SERVICE INC	SPARTA	NJ
		155.32500	39.1	279.5	KQR807	4		LEHIGH, COUNTY OF	ALLENTOWN	PA
		155.32500	39.9	275.9	KQR807	2		LEHIGH, COUNTY OF	ALLENTOWN	PA
		155.32500	41.7	279.4	KQR807	5		LEHIGH, COUNTY OF	ALLENTOWN	PA
		155.32500	42	51.7	KEP630	2		HACKENSACK UNIVERSITY MEDICAL CENTER	HACKENSACK	NJ
		155.32500	44	53.6	KVD525	2		HOLY NAME HOSPITAL	TEANECK	NJ
		155.32500	45.6	276.2	KQR807	3		LEHIGH, COUNTY OF	ALLENTOWN	PA
		155.32500	46.8	216.2	WQBK737	2		SAFECARE AMBULANCE SERVICES INC DBA	PHILADELPHIA	PA
		155.32500	49.8	42.4	WNVY974	2		TRI BORO VOLUNTEER AMBULANCE CORPS	PARK RIDGE	NJ
		155.32500	49.8	42.4	WNVY974	3		TRI BORO VOLUNTEER AMBULANCE CORPS	PARK RIDGE	NJ
		155.32500	50.7	140.2	KNNT920	3		TRI BORO FIRST AID SQUAD	SEASIDE PARK	NJ
		155.32500	51.3	141	KNNT920	1		TRI BORO FIRST AID SQUAD	SEASIDE PARK	NJ

**APPENDIX A**  
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**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.32500	51.3	141	KNNT920	4		TRI BORO FIRST AID SQUAD	SEASIDE PARK	NJ
		155.32500	51.7	141.2	KNNT920	2		TRI BORO FIRST AID SQUAD	SEASIDE PARK	NJ
		155.32500	60.6	286.5	WPCT632	2		PENN MAHONING AMBULANCE ASSOCIATION	ANDREAS	PA
		155.32500	62.5	289	WPCT632	3		PENN MAHONING AMBULANCE ASSOCIATION	ANDREAS	PA
		155.32500	64.8	284.5	WPCT632	1		PENN MAHONING AMBULANCE ASSOCIATION	ANDREAS	PA
		155.32500	64.8	284.5	WPCT632	4		PENN MAHONING AMBULANCE ASSOCIATION	ANDREAS	PA
		155.32500	68.1	239.8	WPBQ697	1		Coatesville Hospital Corporation	COATESVILLE	PA
		155.32500	68.1	239.8	WPBQ697	3		Coatesville Hospital Corporation	COATESVILLE	PA
		155.32500	68.8	72.4	WQBC464	1		SUFFOLK, COUNTY OF	YAPHANK	NY
		155.32500	71.4	68.5	KVF600	2		HUNTINGTON HOSPITAL ASSOCIATION	HUNTINGTON	NY
		155.32500	71.6	41.9	KNDN867	1		BOARD OF COOPERATIVE EDUCATIONAL	YORKTOWN	NY
		155.32500	71.6	41.9	KNDN867	2		BOARD OF COOPERATIVE EDUCATIONAL	YORKTOWN	NY
		155.32500	71.7	75.9	WNLN509	2		Wyandanch Wheatley Heights Amb Corp.	WYANDANCH	NY

155.56500 MHZ										
PP FBM	-15	155.55000								
		155.55000	19	243.7	KCI570	4		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	22.7	219.8	KCI570	12		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	25.1	59.3	WQEM468	3		UNION, TOWNSHIP OF-DEPT OF PUBLIC SAFETY	UNION	NJ
		155.55000	25.2	58.9	WQN743	2		UNION, TOWNSHIP OF	UNION	NJ
		155.55000	25.6	251.3	KCI570	8		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	25.7	200.5	KCI570	11		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	27	240.1	KCI570	9		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	29.1	275.4	KCI570	5		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	29.2	213.8	KCI570	3		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	29.4	224.1	WQGX289	1		BUCKS, COUNTY OF	DOYLESTOWN	PA
		155.55000	29.8	218.5	KDZ451	2		UPPER SOUTHAMPTON, TOWNSHIP OF	SOUTHAMPTON	PA
		155.55000	30.3	105.4	KNDV350	2		MIDDLETOWN, TOWNSHIP OF	MIDDELTOWN	NJ
		155.55000	30.6	226	KDZ470	2		WARMINSTER, TOWNSHIP OF	WARMINSTER	PA
		155.55000	36.1	256.4	KCI570	7		BUCKS, COUNTY OF	DOYLESTOWN	PA



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Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.55000	38.7	53.1	KZI402	7		BERGEN, COUNTY OF	Mahwah	NJ
		155.55000	42	51.7	WQMC300	2		BERGEN, COUNTY OF	PARAMUS	NJ
		155.55000	42.6	50.8	KZI402	2		BERGEN, COUNTY OF	Mahwah	NJ
		155.55000	44.2	57.9	KZI402	4		BERGEN, COUNTY OF	Mahwah	NJ
		155.55000	44.4	34.7	KZI402	1		BERGEN, COUNTY OF	Mahwah	NJ
		155.55000	44.9	34.3	WQMC300	1		BERGEN, COUNTY OF	PARAMUS	NJ
		155.55000	45	46.2	KZI402	6		BERGEN, COUNTY OF	Mahwah	NJ
		155.55000	48.1	13.7	WPVR575	1		WANTAGE FIRST AID SQUAD INC.	SUSSEX	NJ
		155.55000	48.1	13.7	WPVR575	3		WANTAGE FIRST AID SQUAD INC.	SUSSEX	NJ
		155.55000	49.4	32.6	WQMC300	3		BERGEN, COUNTY OF	PARAMUS	NJ
		155.55000	50.6	140.4	WNKN565	1		LAVALLETT, BOROUGH OF	LAVALLETT	NJ
		155.55000	50.6	140.4	WNKN565	2		LAVALLETT, BOROUGH OF	LAVALLETT	NJ
		155.55000	51.7	50.7	KZI402	5		BERGEN, COUNTY OF	Mahwah	NJ
		155.55000	51.8	54.8	WPEM284	3		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	52.2	9.1	WPVR575	5		WANTAGE FIRST AID SQUAD INC.	SUSSEX	NJ
		155.55000	52.2	9.1	WPVR575	6		WANTAGE FIRST AID SQUAD INC.	SUSSEX	NJ
		155.55000	56.1	55.9	WQBM883	5		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	60	52.7	WQLN766	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	60.2	52.8	WPEM283	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	60.7	49	WPEM284	1		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	63.8	52.7	WQLN766	1		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	64.7	43.5	WQBM883	4		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	67.2	179.9	WPLX249	1		HAMMONTON, TOWN OF	HAMMONTON	NJ
		155.55000	68.1	36.1	WQBM883	1		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	69.9	40.6	WPEM284	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	70.5	48	WQBM883	2		WESTCHESTER, COUNTY OF	WHITE PLAINS	NY
		155.55000	75.3	201.9	KGR386	2		UPPER DEERFIELD, TOWNSHIP OF	SEABROOK	NJ
PP FBM 27	-7.5	155.55750								
		155.55750	35.4	354.4	KYU566	2		ANDOVER, TOWNSHIP OF	NEWTON	NJ
		155.55750	36.9	356.8	KYU566	3		ANDOVER, TOWNSHIP OF	NEWTON	NJ

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**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.55750	43.1	129.2	KNGG787	1		BRIELLE, BOROUGH OF	BRIELLE	NJ
		155.55750	43.1	129.2	KNGG787	2		BRIELLE, BOROUGH OF	BRIELLE	NJ
		155.55750	71.2	243.8	WQIX816	1		TENET HEALTH SYSTEM HAHNEMANN LLC DBA HA	PHILADELPHIA	PA
PP FBM	0	155.56500								
		155.56500	0	0	KEE841	3		HILLSBOROUGH TOWNSHIP POLICE DEPARTMENT	Hillsborough	NJ
		155.56500	3.5	220.3	KEE841	1		HILLSBOROUGH TOWNSHIP POLICE DEPARTMENT	Hillsborough	NJ
		155.56500	38.8	104.6	WNSU641	1		SEA BRIGHT, BOROUGH OF	SEA BRIGHT	NJ
		155.56500	38.8	104.6	WNSU641	2		SEA BRIGHT, BOROUGH OF	SEA BRIGHT	NJ
		155.56500	40.6	59.6	WPEB723	2		BOROUGH OF RIDGEFIELD	RIDGEFIELD	NJ
		155.56500	40.6	59.6	WPEB723	3		BOROUGH OF RIDGEFIELD	RIDGEFIELD	NJ
		155.56500	50.1	197.1	KNAQ902	2		CAMDEN, COUNTY OF	LINDENWOLD	NJ
		155.56500	51.6	197.2	WQEU605	1		LINDENWOLD, BOROUGH OF	LINDENWOLD	NJ
		155.56500	57.5	52.1	KCN584	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	59	32.8	KVL964	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	64.1	263.5	WNUJ401	2		MUHLENBERG, TOWNSHIP OF	Temple	PA
		155.56500	64.1	263.5	WNUJ401	2	'0004879359'	MUHLENBERG, TOWNSHIP OF	Temple	PA
		155.56500	64.3	5.1	KSX320	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	66.6	25.3	KED892	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	66.9	14.5	KQS583	1		NEW YORK, STATE OF	ALBANY	NY
		155.56500	68.6	76.7	KNAT249	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	70.6	46.6	KTU274	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	70.7	35.5	KBM911	1		NEW YORK, STATE OF	ALBANY	NY
		155.56500	70.8	352.3	WQCR606	2		NEW YORK, STATE OF	ALBANY	NY
		155.56500	73.2	19.8	WQJT805	1		NEW YORK, STATE OF, DIVISION OF STATE POLICE	ALBANY	NY
		155.56500	74.5	294.9	KGB240	3		HAZLETON, CITY OF	HAZLETON	PA
		155.56500	74.5	294.9	KGB240	5		HAZLETON, CITY OF	HAZLETON	PA
		155.56500	75.4	294.8	KGF794	2		WEST HAZLETON, BOROUGH OF	WEST HAZLETON	PA
		155.56500	76.2	235.3	WNZA484	1		HIGHLAND, TOWNSHIP OF	COATESVILLE	PA
		155.56500	77.7	307.3	WDK38	9		LUZERNE, COUNTY OF	Wilkes Barre	PA
		155.56500	77.9	29.3	KED921	1		NEW YORK, STATE OF	ALBANY	NY

**APPENDIX A**  
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**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		155.56500	81.1	45.9	KSS286	1		STATE OF NEW YORK DIVISION OF STATE POLICE	ALBANY	NY
PP FBM 27	7.5	155.57250								
		155.57250	26.8	51.9	WPRG488	1		MAPLEWOOD, TOWNSHIP OF	MAPLEWOOD	NJ
		155.57250	26.8	51.9	WPRG488	3		MAPLEWOOD, TOWNSHIP OF	MAPLEWOOD	NJ
PP FBM	15	155.58000								
		155.58000	14.9	29.4	KLX910	1		BERNARDS TOWNSHIP	BASKING RIDGE	NJ
		155.58000	14.9	29.4	KLX910	2		BERNARDS TOWNSHIP	BASKING RIDGE	NJ
		155.58000	17.1	131.1	KNJM490	1		JAMESBURG, BOROUGH OF	JAMESBURG	NJ
		155.58000	17.1	131.1	KNJM490	3		JAMESBURG, BOROUGH OF	JAMESBURG	NJ
		155.58000	22.3	235	KXH328	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	22.3	235	KXH330	5		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	29.5	209.6	KXH330	3		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	34.4	273.2	KXH328	5		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	36.9	279.7	KXH326	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	39.6	318.7	KXM893	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	42	51.6	KWV544	2		HACKENSACK, CITY OF	HACKENSACK	NJ
		155.58000	42.5	271.3	KXH329	3		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	42.6	52	KWV544	3		HACKENSACK, CITY OF	HACKENSACK	NJ
		155.58000	51.6	316.3	WQHA456	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	56	310.2	KXH335	2		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	58.5	46.9	WPWT917	1		SLEEPY HOLLOW, VILLAGE OF	SLEEPY HOLLOW	NY
		155.58000	58.5	46.9	WPWT917	2		SLEEPY HOLLOW, VILLAGE OF	SLEEPY HOLLOW	NY
		155.58000	59.3	337.4	KXH344	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	59.7	349.7	KXH344	2		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	61.1	244.4	KXH315	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	67.1	235.1	KXH315	2		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	67.7	79.5	KEB705	3		AMITYVILLE, VILLAGE OF	AMITYVILLE	NY
		155.58000	74.1	242.6	KXH317	5		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	74.1	242.6	KZC557	4		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
		155.58000	74.8	232.2	KXH317	1		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA

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**LISTING OF CURRENT INCUMBENT ADJACENT AND CO-CHANNEL USERS**

Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
<b>156.0900 MHz</b>										
PH MO	-15	156.07500								
		156.07500	19.1	190.6	WPNR284	2		CAPITAL HEALTH SYSTEM INC	TRENTON	NJ
		156.07500	29.3	66.6	KEE888	4		NEW JERSEY, STATE OF	TRENTON	NJ
		156.07500	33.9	222.3	KGC578	5		UPPER MORELAND, TOWNSHIP OF	WILLOW GROVE	PA
		156.07500	39.2	108	WPEA908	3		MONMOUTH BEACH, BOROUGH OF	MONMOUTH BEACH	NJ
		156.07500	44.1	283.7	WGO53	1		WHITEHALL, TOWNSHIP OF	WHITEHALL	PA
		156.07500	46.7	50.5	WPKP528	3		BERGENFIELD, BOROUGH OF	BERGENFIELD	NJ
		156.07500	52.5	208.4	KBT80	1		GLOUCESTER, COUNTY OF	CLAYTON	NJ
		156.07500	53.8	50.9	KEB453	1		HASTINGS ON HUDSON, VILLAGE OF	HASTINGS ON HUDSON	NY
		156.07500	53.8	50.9	KEB453	3		HASTINGS ON HUDSON, VILLAGE OF	HASTINGS ON HUDSON	NY
		156.07500	54	51.5	KEB453	2		HASTINGS ON HUDSON, VILLAGE OF	HASTINGS ON HUDSON	NY
		156.07500	55.4	207.3	KBT81	1		GLOUCESTER, COUNTY OF	WOODBURY	NJ
		156.07500	61.7	212.1	KBT82	1		GLOUCESTER, COUNTY OF	CLAYTON	NJ
		156.07500	66	260	KNJW673	1		ALEXANDRIA BAY, VILLAGE OF	ALEXANDRIA BAY	NY
PH MO 27	-7.5	156.08250								
		156.08250	40.7	356.3	WQAX338	1		HAMPTON, TOWNSHIP OF	AUGUSTA	NJ
		156.08250	40.7	356.3	WQAX338	2		HAMPTON, TOWNSHIP OF	AUGUSTA	NJ
		156.08250	41.4	354.6	WQAX338	5		HAMPTON, TOWNSHIP OF	AUGUSTA	NJ
		156.08250	44.3	349.8	WQAX338	4		HAMPTON, TOWNSHIP OF	AUGUSTA	NJ
		156.08250	64.1	258.9	WQK295	4		REIFFTON FIRE COMPANY	READING	PA
		156.08250	68.4	303.8	WQLP983	2		PENNSYLVANIA, COMMONWEALTH OF	HARRISBURG	PA
PP MO	0	156.09000								
		156.09000	27.4	60.8	KEB404	2		HILLISIDE, TOWNSHIP OF	HILLISIDE	NJ
		156.09000	29.2	297.3	KEB424	2		PHILLIPSBURG, TOWN OF	PHILLIPSBURG	NJ
		156.09000	35.2	100.6	WQCT450	2		ATLANTIC HIGHLANDS, BOROUGH OF	ATLANTIC HIGHLANDS	NJ
		156.09000	38	280.3	WNNG972	2		LEHIGH, COUNTY OF	ALLENTOWN	PA
		156.09000	43.8	37.6	KEB440	2		WYCKOFF, TOWNSHIP OF	WYCKOFF	NJ
		156.09000	44.5	130.8	KNDH928	5		POINT PLEASANT BEACH, BOROUGH OF	POINT PLEASANT BEACH	NJ

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Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		156.09000	48.1	73.3	WPNS287	2		NEW YORK UNIFIED COURT SYSTEM	NEW YORK	NY
		156.09000	52.6	209.2	KEJ871	2		TOWNSHIP OF DEPTFORD	DEPTFORD	NJ
		156.09000	54.8	71.2	WNKP374	3		GREAT NECK ESTATES, VILLAGE OF	GREAT NECK	NY
		156.09000	67.1	24.8	KBG276	4		BLOOMING GROVE, TOWN OF	BLOOMING GROVE	NY
		156.09000	72.9	27.8	WCG651	1		CORNWALL, TOWN OF	CORNWALL	NY
		156.09000	73.2	26.1	KIL468	3		NEW WINDSOR, TOWN OF	NEW WINDSOR	NY
		156.09000	74.8	172.6	KNIM202	3		ABSECON, CITY OF	ABSECON	NJ
PP MO 27	7.5	156.09750								
		156.09750	72.3	323.3	WQLS897	1		MOSCOW FIRE & HOSE COMPANY	MOSCOW	PA
		156.09750	72.3	323.3	WQLS897	3		MOSCOW FIRE & HOSE COMPANY	MOSCOW	PA
PH FBM	15	156.10500								
		156.10500	3.3	323.2	WQDJ754	1		BRANCHBURG, TOWNSHIP OF	SOMERVILLE	NJ
		156.10500	3.3	323.2	WQDJ754	2		BRANCHBURG, TOWNSHIP OF	SOMERVILLE	NJ
		156.10500	21.3	94.2	KNDC787	2		SOUTH AMBOY, CITY OF	SOUTH AMBOY	NJ
		156.10500	35.8	243.7	WNVH524	1		HATFIELD, BOROUGH OF	HATFIELD	PA
		156.10500	35.8	243.7	WNVH524	2		HATFIELD, BOROUGH OF	HATFIELD	PA
		156.10500	37.3	82.3	KVB872	1		NEW YORK CITY TRANSIT AUTHORITY	NEW YORK	NY
		156.10500	37.4	237.1	KNCL541	2		NORTH WALES, BOROUGH OF	NORTH WALES	PA
		156.10500	42.6	67.1	KVJ894	1		NEW YORK CITY TRANSIT AUTHORITY	NEW YORK	NY
		156.10500	44.1	311.5	KNBA769	2		HAMILTON, TOWNSHIP OF	SCIOTA	PA
		156.10500	45.1	205.3	KJF706	1		TOWNSHIP OF CHERRY HILL	CHERRY HILL	NJ
		156.10500	46.9	68.4	KVJ688	1		NEW YORK CITY TRANSIT AUTHORITY	NEW YORK	NY
		156.10500	48.5	61.2	KLD770	1		NEW YORK CITY TRANSIT AUTHORITY	NEW YORK	NY
		156.10500	51	51.5	KUQS16	1		PALISADE INTERSTATE PARK COMMISSION	ALPINE	NJ
		156.10500	51	51.5	KUQS16	2		PALISADE INTERSTATE PARK COMMISSION	ALPINE	NJ
		156.10500	62.7	255.7	KNDN932	2		EXETER, TOWNSHIP OF	READING	PA
		156.10500	63	257.7	KNDN932	3		EXETER, TOWNSHIP OF	READING	PA
		156.10500	64.8	228.6	WNNY763	1		PENNSBURY, TOWNSHIP OF	CHADDS FORD	PA
		156.10500	64.8	228.6	WNNY763	3		PENNSBURY, TOWNSHIP OF	CHADDS FORD	PA
		156.10500	68.5	249.5	KUL647	1		CAERNARVON, TOWNSHIP OF	MORGANTOWN	PA

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Allocation, Limitations	Channel Spacing KHz	Assigned Frequency	Distance (M)	Azimuth	Callsign	Site #	Pend App File Number	Licensee Name	Licensee City	Lic State
		156.10500	68.5	249.5	KUL647	2		CAERNARVON, TOWNSHIP OF	MORGANTOWN	PA

Hillsborough Township holds that its extended operation in the wide band mode will have no more impact on these licensees than they experience now. Based on the number of licensees Hillsborough does not anticipate any new licensees to implement operations on these frequencies in the near future.